

ELECTRICAL OIL SERVICES LTD

INHIBITED INSULATING OIL IEC 60296:2012

DS2511 29/6/2012

Application

Electrical Oil Services Ltd Inhibited Insulating Oils are pure mineral hydrocarbon based oils specially refined and blended from selected crudes to surpass the limiting values of the International Industry Standard, and further protect against oxidation by the inclusion of carefully chosen inhibiting additives. Conforms to IEC 60296:2012, special applications.

PROPERTY	UNIT	TEST METHOD	SPECIFICATION		TYPICAL DATA
			Min	Max	
1. PHYSICAL					
Appearance		IEC 296	Clear, free from sediment		
Viscosity @ -30°C	cSt	ISO 3104		1800	924
Viscosity @ 40°C	cSt	ISO 3104		12.0	9.2
Closed Flash Point	°C	ISO 2719	135		141
Pour Point	°C	ISO 3016		-40	< -45
Density @ 20°C	Kg/dm ³	ISO 12185		0.895	0.88
2. CHEMICAL					
Neutralisation value	mgKOH/g	IEC62021-1		0.01	<0.01
Antioxidant additive	%	IEC 60666	0.08	0.40	0.37
Corrosive Sulphur		IEC 62535 ASTM1275B DIN 51353	Non corrosive Non corrosive Non corrosive		
Polycyclic Aromatics mass	%	BS 2000 Part 346		3	< 3
PCB content	mg/kg	IEC 61619	Not detectable		Not detectable
Water content Bulk Drums	mg/kg	IEC 60814		30 40	< 15 < 25
<i>Oxidation stability at 120°C</i> 500h Acidity after Oxidation 500h Sludge Value	mgKOH/g wt %	IEC 1125 C		0.3 0.05	0.5 0.1
3. ELECTRICAL					
Dielectric Dissipation Factor @ 90°C		IEC 60247		0.005	0.001
Breakdown Voltage	kV	IEC 60156	30		> 40

Health and Safety information sheets are available for all Electrical Oil Services Ltd products from the address below:
Electrical Oil Services Ltd, PO Box 79, Bridges Road, Stanlow Works, Ellesmere Port, Cheshire, CH65 4WD.

Orders/Enquiries - Telephone: (0845) 602 1003, Fax: (0845) 602 1004

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